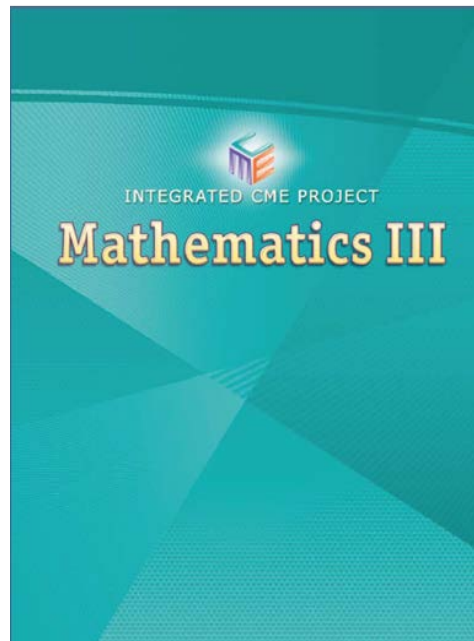


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Mathematics III Common Core**
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to the
**California Common Core State Standards
for Mathematics Standards Map
Mathematics III**

**California Common Core State Standards for Mathematics
 Standards Map
 Mathematics III**

★ *Indicates a modeling standard linking mathematics to everyday life, work, and decision-making.*
 (+) *Indicates additional mathematics to prepare students for advanced courses.*

Standard No.	Standard Language ¹	Publisher Citations	Meets Standard		For Reviewer Use Only
			Y	N	Reviewer Notes
	NUMBER AND QUANTITY				
Domain	THE COMPLEX NUMBER SYSTEM				
Cluster	Use complex numbers in polynomial identities and equations. [Polynomials with real coefficients; apply N.CN.9 to higher degree polynomials.]				
N-CN 8.	(+) Extend polynomial identities to the complex numbers.	For related content, please see Integrated CME Project Mathematics II: SE/TE: 221 (#14)			
N-CN 9.	(+) Know the Fundamental Theorem of Algebra; show that it is true for quadratic polynomials.	For related content, please see Integrated CME Project Mathematics II: SE/TE: 221 (#14-15), Honors Appendix: Historical Perspective: 877			

¹ For some standards that appear in multiple courses (e.g., Mathematics II and Mathematics III), some examples included in the language of the standard that did not apply to this standards map were removed.

Standard No.	Standard Language ¹	Publisher Citations	Meets Standard		For Reviewer Use Only
			Y	N	Reviewer Notes
	ALGEBRA				
Domain	SEEING STRUCTURE IN EXPRESSIONS				
Cluster	Interpret the structure of expressions. [Polynomial and rational]				
A-SSE 1a.	Interpret expressions that represent a quantity in terms of its context. Interpret parts of an expression, such as terms, factors, and coefficients. ★	For related content, please see: SE/TE: 56			
A-SSE 1b.	Interpret expressions that represent a quantity in terms of its context. Interpret complicated expressions by viewing one or more of their parts as a single entity. ★	SE/TE: 11 (#11-13), 17-21, 23-24, 45, 46 (#13-15, 18), 50 (#5, 7, 12), 67, 53 (#3), 60 (#2), 71 (#1, 6), 72 (#10), 110-111, 412 (#7), Honors Appendix: 814-815			
A-SSE 2.	Use the structure of an expression to identify ways to rewrite it.	SE/TE: 49, 50 (#5, 12), 51-53, 55-61, 62-68, 73 (#1-3), Honors Appendix: 814-815			
Cluster	Write expressions in equivalent forms to solve problems.				
A-SSE 4.	Derive the formula for the sum of a finite geometric series (when the common ratio is not 1), and use the formula to solve problems. <i>For example, calculate mortgage payments.</i> ★	For related content, please see: SE/TE: 91-94, 139, 143 (#12), 144 (#13-15), 572-576			

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			Y	N	Reviewer Notes
Domain	ARITHMETIC WITH POLYNOMIALS AND RATIONAL EXPRESSIONS				
Cluster	Perform arithmetic operations on polynomials. [Beyond quadratic]				
A-APR 1.	Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.	SE/TE: 6-8, 9 (#9), 11 (#10)			
Cluster	Understand the relationship between zeros and factors of polynomials.				
A-APR 2.	Know and apply the Remainder Theorem: For a polynomial $p(x)$ and a number a , the remainder on division by $x - a$ is $p(a)$, so $p(a) = 0$ if and only if $(x - a)$ is a factor of $p(x)$.	SE/TE: 35-40, 523-525, 529-536, 537-542			
A-APR 3.	Identify zeros of polynomials when suitable factorizations are available, and use the zeros to construct a rough graph of the function defined by the polynomial.	SE/TE: 41-46, 51-54, 55-61, 507-509, 514-515			

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Cluster	Use polynomial identities to solve problems.				
A-APR 4.	Prove polynomial identities and use them to describe numerical relationships. <i>For example, the polynomial identity $(x^2 + y^2)^2 = (x^2 - y^2)^2 + (2xy)^2$ can be used to generate Pythagorean triples.</i>	SE/TE: 46 (#13-14), 449 (#7), 455 (#15)			
A-APR 5.	(+) Know and apply the Binomial Theorem for the expansion of $(x + y)^n$ in powers of x and y for a positive integer n , where x and y are any numbers, with coefficients determined for example by Pascal's Triangle. ²	SE/TE: 159-163, 164-167, 168, 247-251, 277-286			
Cluster	Rewrite rational expressions. [Linear and quadratic denominators]				
A-APR 6.	Rewrite simple rational expressions in different forms; write $a(x)/b(x)$ in the form $q(x) + r(x)/b(x)$, where $a(x)$, $b(x)$, $q(x)$, and $r(x)$ are polynomials with the degree of $r(x)$ less than the degree of $b(x)$, using inspection, long division, or, for the more complicated examples, a computer algebra system.	SE/TE: 40 (#16-17), 69-70, 71-72, 525 (#3-4), 545-548, 549-557, 560, 563-565			

² The Binomial Theorem may be proven by mathematical induction or by a combinatorial argument.

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A-APR 7.	(+) Understand that rational expressions form a system analogous to the rational numbers, closed under addition, subtraction, multiplication, and division by a nonzero rational expression; add, subtract, multiply, and divide rational expressions.	SE/TE: 69-70, 71-72, 549-557			
Domain	CREATING EQUATIONS				
Cluster	Create equations that describe numbers or relationships. [Equations using all available types of expressions, including simple root functions]				
A-CED 1.	Create equations and inequalities in one variable including ones with absolute value and use them to solve problems. <i>Include equations arising from linear and quadratic functions, and simple rational and exponential functions. CA★</i>	SE/TE: 45, 53, 59, 66, 67, 327-330, 331, 597, 599, 601, 603, 604			

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			Y	N	Reviewer Notes
A-CED 2.	Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. ★	SE/TE: 16 (#14-15), 523-526, 527 (#13-14), 528 (#20), 537-542, 662-667			
A-CED 3.	Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context. <i>For example, represent inequalities describing nutritional and cost constraints on combinations of different foods.</i> ★	This standard is met in the following courses, please see: Integrated CME Project Mathematics I SE/TE: 148-152, 172-177, 200-202, 203, 204 (#5-6), 265 (#11), 289-291, 292 (#1-2), 293 (#4-10), 304 (#1, 3), 305 (#4, 5), 306 (#9-10), 307 (#13), 311 (#10-12), 321, 322 (#8), 323 (#10-12), 329-332, 333 (#4-6), 334 (#10-11), 335 Integrated CME Project Mathematics II SE/TE: 73 (#9-12), 74 (#13), 79 (#7), 84 (#7-8), 175, 176 (#4), 182 (#8, 10), 160 (#1-8, 12-17), 161 (#19)			
A-CED 4.	Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations. ★	SE/TE: Honors Appendix: 810-815			

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Domain	REASONING WITH EQUATIONS AND INEQUALITIES				
Cluster	Understand solving equations as a process of reasoning and explain the reasoning. [Simple radical and rational]				
A-REI 2.	Solve simple rational and radical equations in one variable, and give examples showing how extraneous solutions may arise.	SE/TE: 53 (#4), 67 (#6), 545-546, 547 (#9-10), 548 (#12-13), 736 (#6), 737 (#10), 743 (#2), 744 (#10)			
Cluster	Represent and solve equations and inequalities graphically. [Combine polynomial, rational, radical, absolute value, and exponential functions.]				
A-REI 11.	Explain why the x-coordinates of the points where the graphs of the equations $y = f(x)$ and $y = g(x)$ intersect are the solutions of the equation $f(x) = g(x)$; find the solutions approximately, e.g., using technology to graph the functions, make tables of values, or find successive approximations. Include cases where $f(x)$ and/or $g(x)$ are linear, polynomial, rational, absolute value, exponential, and logarithmic functions. ★	SE/TE: 17-21, 25-27, 28 (#6-9), 54 (#8), 520-528, 537-538, 541 (#1-2), 542 (#12), 592-599, 642-647			

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			Y	N	Reviewer Notes
	FUNCTIONS				
Domain	INTERPRETING FUNCTIONS				
Cluster	Interpret functions that arise in applications in terms of the context. [Include rational, square root and cube root; emphasize selection of appropriate models.]				
F-IF 4.	For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship. <i>Key features include: intercepts; intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end behavior; and periodicity.</i> ★	SE/TE: 317, 335-336, 338 (#3), 414-417, 421-422, 424-428, 429-431, 432-439, 440 (#16-18), 441 (#1, 3), 510-511, 512 (#6-7), 514, 520-522, 525, 527, 528 (#15, 17-18), 537-538, 549-551, 554 (#3-4), 555 (#8-10), 557 (#19-20), 592-597, 599 (#22), 642-647, 676, 678 (#7)			
F-IF 5.	Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes. ★	SE/TE: 310-315, 316—321, 335-339, 344 (#8), 406 (#4), 414-417, 546, 547 (#10), 594-596, 598 (#13)			
F-IF 6.	Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph. ★	SE/TE: 520-522, 524 (#1), 526, 537-540, 649-652, 655 (#12)			

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Cluster	Analyze functions using different representations. [Include rational and radical; focus on using key features to guide selection of appropriate type of model function.]				
F-IF 7b.	Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases. Graph square root, cube root, and piecewise-defined functions, including step functions and absolute value functions. ★	<p>This standard is met in the following courses, please see: Integrated CME Project Mathematics I SE/TE: 392 (#8), 393 (#11-12), 395 (#17-18)</p> <p>Integrated CME Project Mathematics II SE/TE: 300-304, 306, 307 (#9-10), 308 (#1), 335 (#6-8), 337 (#18)</p>			
F-IF 7c.	Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases. Graph polynomial functions, identifying zeros when suitable factorizations are available, and showing end behavior. ★	SE/TE: 13, 14 (#12), 16 (#14-18), 25, 27 (#1-2), 28 (#6-9), 507-508, 509 (#10-11, 13), 510-514, 517 (#14), 521-522, 525 (#2-4), 527 (#10-12, 14), 528 (#15, 17-18)536 (#17), 537-538			

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F-IF 7e.	Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases. Graph exponential and logarithmic functions, showing intercepts and end behavior, and trigonometric functions, showing period, midline, and amplitude. ★	SE/TE: 333 (#8), 335-336, 338-339, 340-342, 403-405, 406 (#7), 407 (#10-11), 414-415, 416-417, 424-428, 429-430, 431 (#9), 432-439, 440 (#16, 18), 441 (#1, 3), 592-596, 597 (#8), 599 (#22), 627, 632 (#5), 642-643, 644 (#3), 646 (#11, 13), 647 (#16), 649-652, 653-654, 655 (#9, 12-13), 656 (15-16), 659 (3-4), 660 (#7), 661 (#8), 670, 672 (#6), 674 (#6), 676 (#10)			
F-IF 8.	Write a function defined by an expression in different but equivalent forms to reveal and explain different properties of the function.	SE/TE: 79-81, 82, 84 (#11), 507-508, 509, 510-511, 514, 516 (#6), 529-533, 534 (#2-4, 6), 535, 536 (#13), 608 (#1-2)			
F-IF 9.	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	This standard is met in the following courses, please see: Integrated CME Project Mathematics II SE/TE: 133 (#1), 136 (#9), 139 (#5), 141 (#14), 177-181, 182 (#6-12), 183-188, 189 (#1-2, 4), 190 (#5-6, 9), 191 (#12), 193 (#1-3), 197 (#4)			

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Domain	BUILDING FUNCTIONS				
Cluster	Build a function that models a relationship between two quantities. [Include all types of functions studied.]				
F-BF 1b.	Write a function that describes a relationship between two quantities. Combine standard function types using arithmetic operations. <i>For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model.</i> ★	For related content, please see: SE/TE: 27-29			
Cluster	Build new functions from existing functions. [Include simple, radical, rational, and exponential functions; emphasize common effect of each transformation across function types.]				
F-BF 3.	Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $kf(x)$, $f(kx)$, and $f(x + k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. <i>Include recognizing even and odd functions from their graphs and algebraic expressions for them.</i>	For related content, please see: SE/TE: 338 (#11-12), 406 (#4, 7), 407 (#10, 12), 421, 422 (#11), 423 (#12), 428, 429 (#7), 430-431, 435-436, 437, 438 (#5-8), 439, 440 (#18), 509 (#10-11, 13), 525-526, 599 (#22), 608 (#1), 613 (#13)			

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F-BF 4a.	Find inverse functions. Solve an equation of the form $f(x) = c$ for a simple function f that has an inverse and write an expression for the inverse. <i>For example, $f(x) = (x + 1)/(x - 1)$ for $x \neq 1$.</i>	For related content, please see: SE/TE: 617, 618 (#4), 623 (#5, 7), 675-679, 787-793			
Domain	LINEAR, QUADRATIC, AND EXPONENTIAL MODELS				
Cluster	Construct and compare linear, quadratic, and exponential models and solve problems.				
F-LE 4.	For exponential models, express as a logarithm the solution to $ab^{ct} = d$ where a , c , and d are numbers and the base b is 2, 10, or e ; evaluate the logarithm using technology. ★ [Logarithms as solutions for exponentials]	SE/TE: 627-630, 632 (#16-17, 21-22), 633-640, 668-673			
F-LE 4.1	Prove simple laws of logarithms. CA ★	SE/TE: 633-641			
F-LE 4.2	Use the definition of logarithms to translate between logarithms in any base. CA ★	SE/TE: 627-632, 633-641, 643-644, 657, 658, 659-61, 674-679			
F-LE 4.3	Understand and use the properties of logarithms to simplify logarithmic numeric expressions and to identify their approximate values. CA ★	SE/TE: 625-626, 627-632, 633-641, 643-644, 648-656, 657			

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Domain	TRIGONOMETRIC FUNCTIONS				
Cluster	Extend the domain of trigonometric functions using the unit circle.				
F-TF 1.	Understand radian measure of an angle as the length of the arc on the unit circle subtended by the angle.	SE/TE: 395-396, 397-399, 400, 407 (#15-16)			
F-TF 2.	Explain how the unit circle in the coordinate plane enables the extension of trigonometric functions to all real numbers, interpreted as radian measures of angles traversed counterclockwise around the unit circle.	SE/TE: 316-321, 395-396, 397-402, 403-407			
F-TF 2.1	Graph all 6 basic trigonometric functions. CA	SE/TE: 333-334, 335-339, 340-344, 351, 414-417, 418, 421-423, 424-431, 441			
Cluster	Model periodic phenomena with trigonometric functions.				
F-TF 5.	Choose trigonometric functions to model periodic phenomena with specified amplitude, frequency, and midline. ★	For related content, please see: SE/TE: 333 (#6, 8), 335-336, 422, 533-536, 437 (#2), 438 (#6, 9), 439 (#12), 440 (#18), 441 (#1, 3)			

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	GEOMETRY				
Domain	SIMILARITY, RIGHT TRIANGLES, AND TRIGONOMETRY				
Cluster	Apply trigonometry to general triangles.				
G-SRT 9.	(+) Derive the formula $A = 1/2 ab \sin(C)$ for the area of a triangle by drawing an auxiliary line from a vertex perpendicular to the opposite side.	SE/TE: 353-355, 356-362			
G-SRT 10.	(+) Prove the Laws of Sines and Cosines and use them to solve problems.	SE/TE: 363-366, 366 (#1-3), 367-369, 370-376, 377-378, 379 (#18, 20)			
G-SRT 11.	(+) Understand and apply the Law of Sines and the Law of Cosines to find unknown measurements in right and non-right triangles (e.g., surveying problems, resultant forces).	SE/TE: 368 (#8-9, 13), 369 (#14-18, 19), 378 (#9, 15-17), 379 (#20)			

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Domain	EXPRESSING GEOMETRIC PROPERTIES WITH EQUATIONS				
Cluster	Translate between the geometric description and the equation for a conic section.				
G-GPE 3.1	Given a quadratic equation of the form $ax^2 + by^2 + cx + dy + e = 0$, use the method for completing the square to put the equation into standard form; identify whether the graph of the equation is a circle, ellipse, parabola, or hyperbola and graph the equation. [In Mathematics III, this standard addresses only circles and parabolas.] CA	For related content, please see: SE/TE: 745, 746, 758			
Domain	GEOMETRIC MEASUREMENT AND DIMENSION				
Cluster	Visualize relationships between two-dimensional and three-dimensional objects.				
G-GMD 4.	Identify the shapes of two-dimensional cross-sections of three-dimensional objects, and identify three-dimensional objects generated by rotations of two-dimensional objects.	For related content, please see: SE/TE: 735, 736 (#7-8), 738-742			

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Domain	MODELING WITH GEOMETRY				
Cluster	Apply geometric concepts in modeling situations.				
G-MG 1.	Use geometric shapes, their measures, and their properties to describe objects (e.g., modeling a tree trunk or a human torso as a cylinder). ★	This standard is met in the following courses, please see: Integrated CME Project Mathematics II For related content, please see: SE/TE: 443 (#13), 707-709, 767 (#5-8), 768 (#9-12)			
G-MG 2.	Apply concepts of density based on area and volume in modeling situations (e.g., persons per square mile, BTUs per cubic foot). ★	SE/TE: 731 (#2), 733 (#8)			
G-MG 3.	Apply geometric methods to solve design problems (e.g., designing an object or structure to satisfy physical constraints or minimize cost; working with typographic grid systems based on ratios). ★	SE/TE: 719-723, 725-727			

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	STATISTICS AND PROBABILITY				
Domain	INTERPRETING CATEGORICAL AND QUANTITATIVE DATA				
Cluster	Summarize, represent, and interpret data on a single count or measurement variable.				
S-ID 4.	Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve. ★	SE/TE: 273-275, 277-283, 284 (#5), 286 (#13), 287-290, 291-292			
Domain	MAKING INFERENCES AND JUSTIFYING CONCLUSIONS				
Cluster	Understand and evaluate random processes underlying statistical experiments.				
S-IC 1.	Understand statistics as a process for making inferences about population parameters based on a random sample from that population. ★	SE/TE: 209-210, 235-236, 237-239, 243, 245 (#7, 9), 291 (#1-2)			
S-IC 2.	Decide if a specified model is consistent with results from a given data-generating process, e.g., using simulation. <i>For example, a model says a spinning coin falls heads up with probability 0.5. Would a result of 5 tails in a row cause you to question the model?</i> ★	For related content, please see: SE/TE: 175-176, 227-232, 235-236, 291 (#5)			

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Cluster	Make inferences and justify conclusions from sample surveys, experiments, and observational studies.				
S-IC 3.	Recognize the purposes of and differences among sample surveys, experiments, and observational studies; explain how randomization relates to each. ★	SE/TE: 237-246, 252, 253, 254, 255, 258 (#9), 259 (#12)			
S-IC 4.	Use data from a sample survey to estimate a population mean or proportion; develop a margin of error through the use of simulation models for random sampling. ★	For related content, please see: SE/TE: 209-210, 235-236, 252-255, 256 (#5), 257 (#6), 258 (#8), 261-265, 266-270			
S-IC 5.	Use data from a randomized experiment to compare two treatments; use simulations to decide if differences between parameters are significant. ★	SE/TE: 237-239, 240-246, 255 (#1), 256 (#3-4), 258 (#10, 12)			
S-IC 6.	Evaluate reports based on data. ★	SE/TE: 237-239, 240-246, 255 (#2), 257 (#6), 258 (#10-11), 287-292			
Domain	USING PROBABILITY TO MAKE DECISIONS				
Cluster	Use probability to evaluate outcomes of decisions. [Include more complex situations.]				
S-MD 6.	(+) Use probabilities to make fair decisions (e.g., drawing by lots, using a random number generator). ★	SE/TE: 175-176, 177-183			

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S-MD 7.	(+) Analyze decisions and strategies using probability concepts (e.g., product testing, medical testing, pulling a hockey goalie at the end of a game). ★	SE/TE: 198-205			

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	MATHEMATICAL PRACTICES				
MP 1.	Make sense of problems and persevere in solving them.	<p>The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues.</p> <p>SE/TE: Checking Your Understanding: 9 (#4), 15 (#12), 459 (#3), 596 (#1) On Your Own: 68 (#7), 304 (#9-10), 338 (#11-12), 376 (#15), 460 (#13), 590 (#15) Maintain Your Skills: 106 (#4), 136 (#23), 205 (#13), 309 (#17-18), 557 (#22)</p>			

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MP 2.	Reason abstractly and quantitatively.	<p>The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues.</p> <p>SE/TE: Checking Your Understanding: 27 (#3), 250 (#7), 320 (#8), 429 (#2), 488 (#8) On Your Own: 23 (#14), 46 (#13, 14), 53 (#5), 111 (#6), 350 (#8), 459 (#11), 599 (#19) Maintain Your Skills: 24 (#17), 72 (#10), 468 (#15-16)</p>			

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MP 3.	Construct viable arguments and critique the reasoning of others.	<p>The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues.</p> <p>SE/TE: Checking Your Understanding: 182 (#2), 224 (#7), 319 (#4) On Your Own: 217 (#13), 225 (#11), 286 (#13), 305 (#14-15), 362 (#14), 369 (#17), 497 (#13-14), 598 (#14), 599 (#20), 761 (#12) Maintain Your Skills: 576 (#10), 724 (#16)</p>			
MP 3.1	Students build proofs by induction and proofs by contradiction. CA [for higher mathematics only].	N/A			

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MP 4.	Model with mathematics.	<p>The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues.</p> <p>SE/TE: Checking Your Understanding: 121 (#2), 250 (#5), 314 (#4), 338 (#3), 360 (#6), 429 (#2), 437 (#1-2) On Your Own: 122 (#7), 361 (#10, 13), 406 (#7), 517 (#12), 580 (#10-13), 591 (#16) Maintain Your Skills: 123 (#12), 309 (#17-18), 509 (#13), 548 (#15)</p>			

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MP 5.	Use appropriate tools strategically.	<p>The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues.</p> <p>SE/TE: Checking Your Understanding: 83 (#7), 338 (#8), 400 (#1), 665 (#4-6), 743 (#1) On Your Own: 102 (#7), 401 (#12), 417 (#10) Maintain Your Skills: 305 (#16) For You To Do: 398 (#5-7), 399 (#8-11), 415 (#1), 421 (#1-4), 740 (#4)</p>			

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			Y	N	Reviewer Notes
MP 6.	Attend to precision.	<p>The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues.</p> <p>SE/TE: Checking Your Understanding: 110 (#2), 115 (#2-3) On Your Own: 67 (#6), 89 (#11), 94 (#8), 99 (#9), 102 (#7), 141 (#9), 144 (#13), 196 (#8) Maintain Your Skills: 99 (#11), 144 (#18), 154 (#6), 251 (#15), 369 (#19), 407 (#15-16)</p>			

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			Y	N	Reviewer Notes
MP 7.	Look for and make use of structure.	<p>The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues.</p> <p>SE/TE: Checking Your Understanding: 314 (#5) On Your Own: 84 (#10), 136 (#21), 140 (#7), 141 (#8), 149 (#3), 162 (#4) Maintain Your Skills: 29 (#15), 102 (#9), 151 (#9), 158 (#9), 167 (#8), 468 (#15-16)</p>			

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			Y	N	Reviewer Notes
MP 8.	Look for and express regularity in repeated reasoning.	<p>The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues.</p> <p>SE/TE: Checking Your Understanding: 93 (#2-3, 5-7), 98 (#2-5), 133 (#4-7), 140 (#1, 3), 148 (#1) On Your Own: 94 (#8-13), 134 (#9-10), 135 (#13-17), 136 (#21-22), 140 (#7), 141 (#8-9), 142 (#10-11), 143 (#12), 158 (#6, 8) Maintain Your Skills: 94 (#15), 99 (#11), 136 (#23)</p>			